



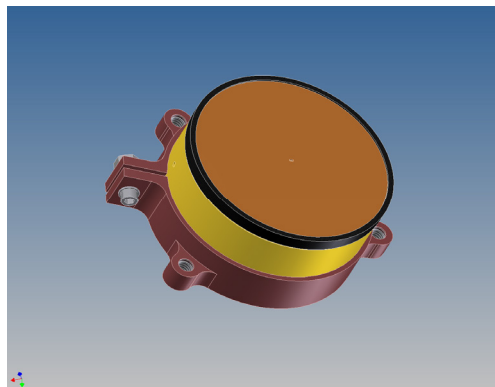
HIGH PERFORMANCE
ANTENNAS

PRODUCT DATA

40280-04

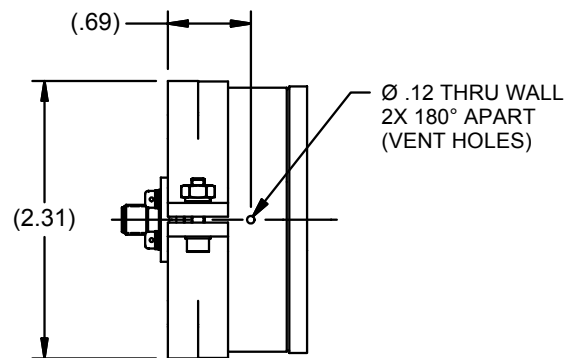
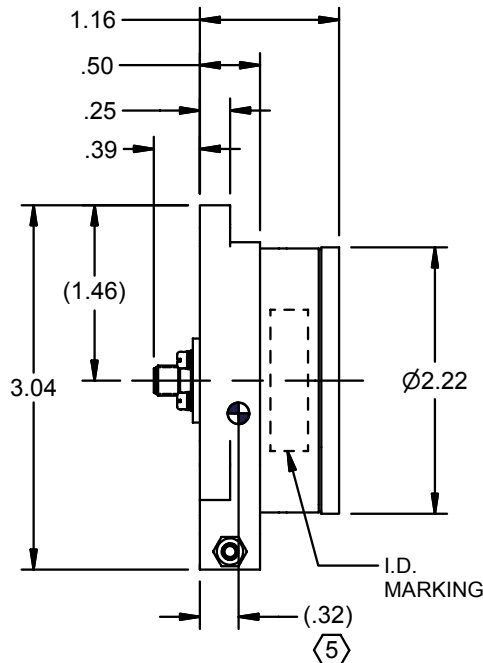
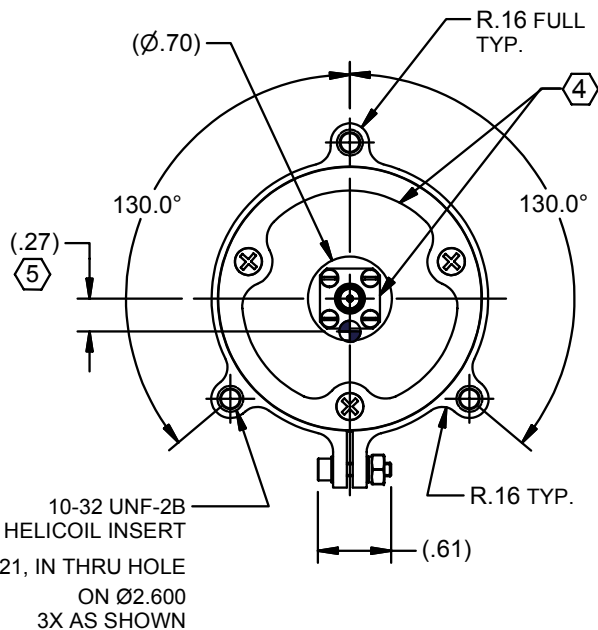
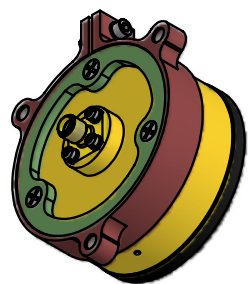
SPIRAL ANTENNA, 2-6 GHz
P/N: 40280-04

Frequency - GHz	2.0 - 6.0	
Polarization	LHC	
Gain - dBiC	-5 @ 2 GHz 2 @ 6 GHz	Minimum, on Boresight
	-8 @ 2-6 GHz	Minimum, @ $\pm 45^\circ$
Axial Ratio - dB	2 @ ≤ 4 GHz 1 @ > 4 GHz	Maximum, on Boresight
	3 @ ≤ 4 GHz 2 @ > 4 GHz	Maximum, @ $\pm 45^\circ$
Beamwidth - Deg	80° @ 2 GHz 60° @ 6 GHz	Minimum, -3dB points
Beam Squint - Deg	5.0	Maximum
VSWR	2.5 : 1	Maximum
Gain Tracking - dB	< 2 (SET OF 6)	Unit to unit, within $\pm 60^\circ$, for C,V,H polarizations
Phase Tracking - DEG	< 4 on Boresight < 8 @ $\pm 60^\circ$ (SET OF 6)	Unit to unit, monotonically rising from boresight to 60° , for C,V,H polarizations
Power - Watts	2 / 20	CW / Peak
Connector	SMA	Female
Weight - Grams	150	Maximum
Environment	Flight	To 60,000 Feet



AMT MICROWAVE CORPORATION
850 CALLE PLANO CAMARILLO CA 93012
(T) 805-384-1560 (F) 805-384-1563

REV	DESCRIPTION	DATE	APPROVED
A	DESIGN RELEASE	11/17/06	S.H.



INTERFACE CONTROL DRAWING (ICD)

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1. POLARIZATION: LHC.
- 2. WEIGHT: 150 GRAMS MAXIMUM.
- 3. FINISH: ALUMINUM PARTS; CHEMICAL CONVERSION PER MIL-C-55451.

4. ORIENTATION OF BACK PLATE AND CONNECTOR FLANGE, ARE SHOWN FOR REFERENCE ONLY.

5. ⊕ INDICATES CENTER OF GRAVITY.

PREPARED BY SONBJ	DATE 11/3/2006
APPROVED BY SH	DATE 11/9/2006



AMT MICROWAVE CORPORATION
CAMARILLO CA 93012

UNLESS OTHERWISE NOTED
DIM AND TOL PER ANSI Y14.5
MACH 125 ✓ PER ANSI B461
REMOVE BURRS AND SHARP
EDGES .010 MAX
TOL: .XX±.030 .XXX±.005
ANGLE±1°

TITLE
SPIRAL ANTENNA,
2-6 GHz

MATERIALS: PLEASE SEE NOTES

SIZE A	CAGE CODE 6AB36	DWG NO 40280-04	REV A
SCALE: NTS		WT.	SHEET 1 OF 1